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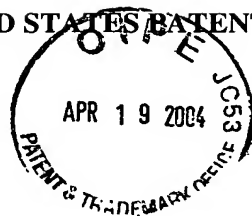
In re Application of

VAN VOSSEN, Robbert et al.

Application N°: 10/757,217

Filed: January 14, 2004

Title: METHOD FOR RETRIEVING LOCAL NEAR-SURFACE MATERIAL INFORMATION

CUSTOMER NUMBER 37003
Group Art Unit: N/A

Examiner: N/A

Attorney Docket No.: 57.0554 US NP

*Certificate of Mailing**I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as Priority Mail in a box addressed to: Hon. Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.**Lorraine Ronnlund**April 14, 2004*
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Sir:

In accordance with 37 C.F.R. §1.56, 1.97 and 1.98, the Applicants wish to bring the reference materials listed in the attached Form PTO-1449 to the attention of the U. S. Patent and Trademark Office. Copies of the references are provided for the Examiner's convenience.

No representation is made or intended that a complete and exhaustive prior art search has been made, or that no better references than those set forth below are available. Furthermore, this Statement does not constitute an admission that these references are properly citable against the present application as prior art.

It is respectfully requested that these references be considered by the Examiner and formally made of record in this case.

Respectfully submitted,

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Date: APRIL 14, 2004



FORM PTO-1449 (Modified)

LIST OF INFORMATION PROVIDED
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(Use several sheets if necessary)

ATTY. DOCKET NO.

57.0554 US NP

SERIAL NO.

10/757,217

APPLICANTS

van Vossen et al

FILING DATE

01/14/04

GROUP

N/A

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee
	AA			

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation Yes No	
	AB	01/53853 A1	07/26/01	WO		

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION,
PERTINENT PAGES, ETC.)

	AC	Aki et al Propagator matrices for SH and for P-SV problems Quantitative Seismology, 2 nd Ed., University Science Books, 2002, pages 397-398
	AD	Cho et al Estimation of polarization and slowness in mixed wavefields Geophysics, vol 57, no. 6, 1992, pages 805-814
	AE	Curtis et al Volumetric wavefield recording and wave equation inversion for near-surface material properties Geophysics, vol 67, no. 5, 2002, pages 1602-1611
	AF	Dankbaar Separation of P- and S-waves Geophysical Prospecting, vol 33, 1985, pages 970-986
	AG	de Hoop et al Generation of acoustic waves by an impulsive line source in a fluid/solid configuration with a plane boundary J. Acoust. Soc. Am, vol 74(1), 1983, pages 333-342
	AH	Gao et al Imaging of the elastic properties of tissue - a review Ultrasound in medicine and biology, vol 22, no. 8, 1996, pages 959-977
	AI	Kähler et al Radiation and receiver pattern of shear and compressional waves as a function of Poisson's Ratio Geophysical Prospecting, vol 31, 1983, pages 421-435

	AJ	Langston Structure under Mount Rainier, Washington, inferred from teleseismic body waves Journal of Geophysical Research, vol 84, no. B9, 1979, pages 4749-4762
	AK	Muijs et al Near-surface seismic properties for elastic wavefield decomposition: Estimates based on multicomponent land and seabed recordings Geophysics, vol 68, no. 6, 2003, pages 2073-2081
	AL	Muijs et al Perturbation analysis of an explicit wavefield separation scheme for P- and S-waves Geophysics, vol 67, no. 6, 2002, pages 1972-1982
	AM	Muthupillai et al Magnetic resonance elastography by direct visualization of propagating acoustic strain waves Science, vol 269, 1995, pages 1854-1857
	AN	Oliphant et al Complex-valued quantitative stiffness estimation using dynamic displacement measurements and local inversion of conservation of momentum IEEE Ultrasonics Symposium, 1999, pages 1641-1644
	AO	Oliphant et al Complex-valued stiffness reconstruction for magnetic resonance elastography by algebraic inversion of the differential equation Magnetic Resonance In Medicine, vol 45, 2001, pages 299-310
	AP	Osen et al Removal of water-layer multiples from multicomponent sea-bottom data Geophysics, vol 64, no. 3, 1999, pages 838-851
	AQ	Robertsson et al Wavefield separation using a volume distribution of three component recordings Geophysical Research Letters, vol 26, no. 18, 1999, pages 2821-2824
	AR	Romano et al Evaluation of a material parameter extraction algorithm using MRI-based displacement measurements IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, vol 47, no. 6, 2000, pages 1575-1581
	AS	Romano et al On the noninvasive determination of material parameters from a knowledge of elastic displacements: theory and numerical simulation IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, vol 45, no. 3, 1998, pages 751-759
	AT	Toksöz et al Velocities of seismic waves in porous rocks Geophysics, vol 41, no. 4, 1976, pages 621-645

	AU	Trampert et al SH propagator matrix and Q_s estimates from borehole- and surface- recorded earthquake data Geophys. J. Int., vol 112, 1993, pages 290-299
	AV	van Houten et al An overlapping subzone technique for MR-based elastic property reconstruction Magnetic Resonance in Medicine, vol 42, 1999, pages 779-786
EXAMINER		DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.